**EXHIBIT C: MARKED UP VERSION OF THE CLAIMS**

**(U.S. APPLICATION NO. 09/536,551; ATTORNEY DOCKET NO. 8951-124-999)**

12. (amended) A method for screening for agents that sequester AR-NOX, comprising:

(a) incubating [in a reaction comprising] AR-NOX [and] with a test agent for a time sufficient to allow the test agent to bind AR-NOX; and

(b) detecting [in the reaction] the presence of a complex comprising AR-NOX and the test compound.

14. (amended) The method of claim 12 [which] wherein said method further comprises incubating AR-NOX [in the presence of a positive control] with a component that is known to interact with AR-NOX.

15. (amended) The method of claim 14 wherein [the positive control] said component that is known to interact with AR-NOX is ubiquinone.

17. (amended) A method of screening for agents that sequester AR-NOX comprising:

(a) incubating [in a reaction comprising a mixture of] AR-NOX[,] with a test agent, cytochrome c, and a substrate [capable of generating] that generates reactive oxygen species, for a time sufficient for cytochrome c reduction; and

(b) detecting the presence of reduced cytochrome c, in the presence or absence of the test [compound] agent.

18. (amended) The method of claim 17 wherein the [compound capable of generating] substrate that generates reactive oxygen species is superoxide dismutase.

19. (amended) The method of claim 17 wherein the detection of

cytochrome c is measured by comparing [the measure of] spectrophotometric absorbance [of the mixture] at about 540 nm to 550 nm in the presence of said test agent to the spectrophotometric absorbance at about 540 nm to 550 nm in the absence of said test agent.

20. (amended) A method of screening for agents that sequester AR-NOX comprising:

(a)[.] incubating [in a reaction comprising a mixture of] AR-NOX[,] with a test agent[,] and a substrate, wherein said substrate is reduced by AR-NOX, for a time sufficient for AR-NOX to reduce said substrate; and

(b)[.] detecting the presence of reduced substrate in the presence or absence of the test [compound] agent.

21. (amended) The method of claim 20 wherein the substrate reduced by AR-NOX is an ascorbate radical.

22. (amended) The method of claim 21 wherein the detection of ascorbate radical is measured by comparing [the measure of] spectrophotometric absorbance [of the mixture] at about 265 nm in the presence of said test agent to the spectrophotometric absorbance at about 265 nm in the absence of said test agent.

23. (amended) The method of claim 20 wherein the substrate reduced by AR-NOX is $NAD^+$.

24. (amended) A method of screening for agents that sequester AR-NOX comprising

(a)[.] incubating [in a reaction comprising a mixture of] AR-NOX[,] with a test agent[,] and a substrate, wherein said substrate undergoes disulfide-thiol interchange activity in the presence of AR-NOX, for a time sufficient for AR-NOX to reduce said substrate; and

(b)[.] detecting the presence of disulfide-thiol interchange in the substrate in the presence or absence of the test [compound] agent.